

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

Claims 1-69 (Canceled)

Please add the following new claims:

70. (Currently Amended) An analog electric filter network system for real-time processing of electrical signals in an electric guitar amplifier, said filter network system including:

an input port receiving an input analog signal derived in real-time from the output of an electric guitar;

an output port outputting an output analog signal derived from said input analog signal;

a first potentiometer, wherein said first potentiometer is adjustable by a user to set at least in part a first voltage gain magnitude value from said input port to said output port at a first frequency;

a second potentiometer, wherein said second potentiometer is adjustable by a user to set at least in part a second voltage gain magnitude value from said input port to said output port at said first frequency;

a first filter network ~~set~~ selection, wherein said first filter network ~~set~~ selection ~~includes~~ selects between at least four filter ~~networks-network elements~~, wherein each of said four filter ~~networks-network elements~~ ~~include~~ is included in a network including said first potentiometer;

a second filter network ~~set~~ selection, wherein said second filter network ~~set~~ selection ~~includes~~ selects between at least four filter ~~networks-network elements~~, wherein each of said four filter ~~networks-network elements~~ ~~include~~ is included in a network including said second potentiometer;

a rotary switch, wherein said rotary switch is adapted to select one filter network element from said first filter network ~~set~~ selection as a ~~first~~ rotary switch selected network element; and

a foot-operated switch, wherein said foot-operated switch is adapted to select an operating filtering network for said analog electric filter network by selecting either a network including said ~~first~~ rotary switch selected network element or ~~one~~ a network including a filter network element from said second filter network ~~set~~ selection,

wherein said operating filtering network operates in real-time on said input analog signal to derive at least in part said output analog signal.

71. (Previously Presented) The filter network system of claim 70 wherein both of said first potentiometer and said second potentiometer are passive devices and have three terminals.

72. (Previously Presented) The filter network system of claim 70 wherein both of said first potentiometer and said second potentiometer are passive rotary potentiometers and have three terminals.

73. (Previously Presented) The filter network system of claim 70 wherein said foot-operated switch contains only a single switch, wherein said single switch has only a single throw.

74. (Currently Amended) The filter network of claim 70 wherein none of the filter ~~networks~~ network elements included in said first filter network ~~set~~ selection are included in said second filter network ~~set~~ selection.

75. (Currently Amended) The filter network system of claim 70 wherein at least one of the filter ~~networks~~ network elements included in said first filter network ~~set~~ selection is also included in said second filter network ~~set~~ selection.

Claims 76-89 (Canceled).